

PROJECT DESCRIPTION

I. GENERAL

This project involves the installation of a new Intersection Control Beacon at the intersection of MD 6 (Charles Street) and Penns Hill Road / Wheatley Road in Charles County.

MD 6 is assumed to run in an east-west direction.

II. INTERSECTION OPERATION

- The intersection operates in a NEMA (2) two-phase, flashing yellow for MD 6 and flashing red for Penns Hill Road / Wheatley Road.
- A full-traffic-actuated, eight-phase controller with intersection monitor module, modem and UPS system and control and distribution and all necessary associated equipment housed in a NEMA size "6" base-mounted cabinet shall be installed at this intersection.

III. SPECIAL NOTES

- Upon completion of this project, the Contractor shall notify Mr. Robert Snyder at (410) 787-7631 to arrange for the phone line installation. The Contractor is to provide Mr. Robert Snyder with the nearest street address, zip code and phone number.
- The Contractor shall be responsible for terminating all signal cables to the appropriate terminals and shall properly label each cable.

The following contact persons for District # 5 are as follows:

Mr. Larry Elliott
Assistant District Engineer - Traffic
Phone: (410) 841-1003

Mr. Charles George
Assistant District Engineer - Maintenance
Phone: (410) 841-1002

Mr. John Mays
Assistant District Engineer - Utility
Phone: (410) 841-1005

Mr. Richard L. Daff, Sr.
Chief, Traffic Operations Division
Phone: (410) 787-7630

The following contact person for Conectiv Power Company is as follows:

Mr. Donnie Hopkins
Southern Maryland Electric Company
P.O. Box 37
Prince Frederick, MD 20678
410-535-4400 x 8679

EQUIPMENT LIST

A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMINISTRATION

ITEM NO.	QUANTITY	DESCRIPTION
9081	1 EA	CABINET INTERSECTION MONITOR, SIZE 6
9087	1 EA	CONTROLLER ASC II W/ TELEMETRY
9089	65 SF	FLAT SHEET ALUM SIGN-YELLOW, ORANGE, & SILVER (SF) Associated Shield Assembly signs, pole mounted. 1 each M3-2 "EAST" (30"x15") M1-5 "MARYLAND 6" (36"x36") M6-1 "LEFT ARROW" (30"x24") 1 each M3-4 "WEST" (30"x15") M1-5 "MARYLAND 6" (36"x36") M6-1 "LEFT ARROW" (30"x24") 1 each M3-4 "WEST" (24"x12") M1-5 "MARYLAND 6" (24"x24") M6-1 "RIGHT ARROW" (21"x15") 1 each M3-2 "EAST" (24"x12") M1-5 "MARYLAND 6" (24"x24") M6-1 "RIGHT ARROW" (21"x15") 1 each M3-2 "EAST" (24"x12") M1-5 "MARYLAND 6" (24"x24") R95-3 "SNOW EMERGENCY ROUTE" (24"x24")
9090	48 SF	FLAT SHEET ALUM. SIGN-BLUE OR GREEN (SF) 1 each D3-(1) "Wheatley Rd LT ARROW" (variable x 16") 1 each D3-(1) "Wheatley Rd RT ARROW" (variable x 16") 1 each D3-(1) "Penns Hill Rd LT ARROW" (variable x 16") 1 each D3-(1) "Penns Hill Rd RT ARROW" (variable x 16") 2 each D3-(1) "Charles Street", dual-faced sign (variable x 16")

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR

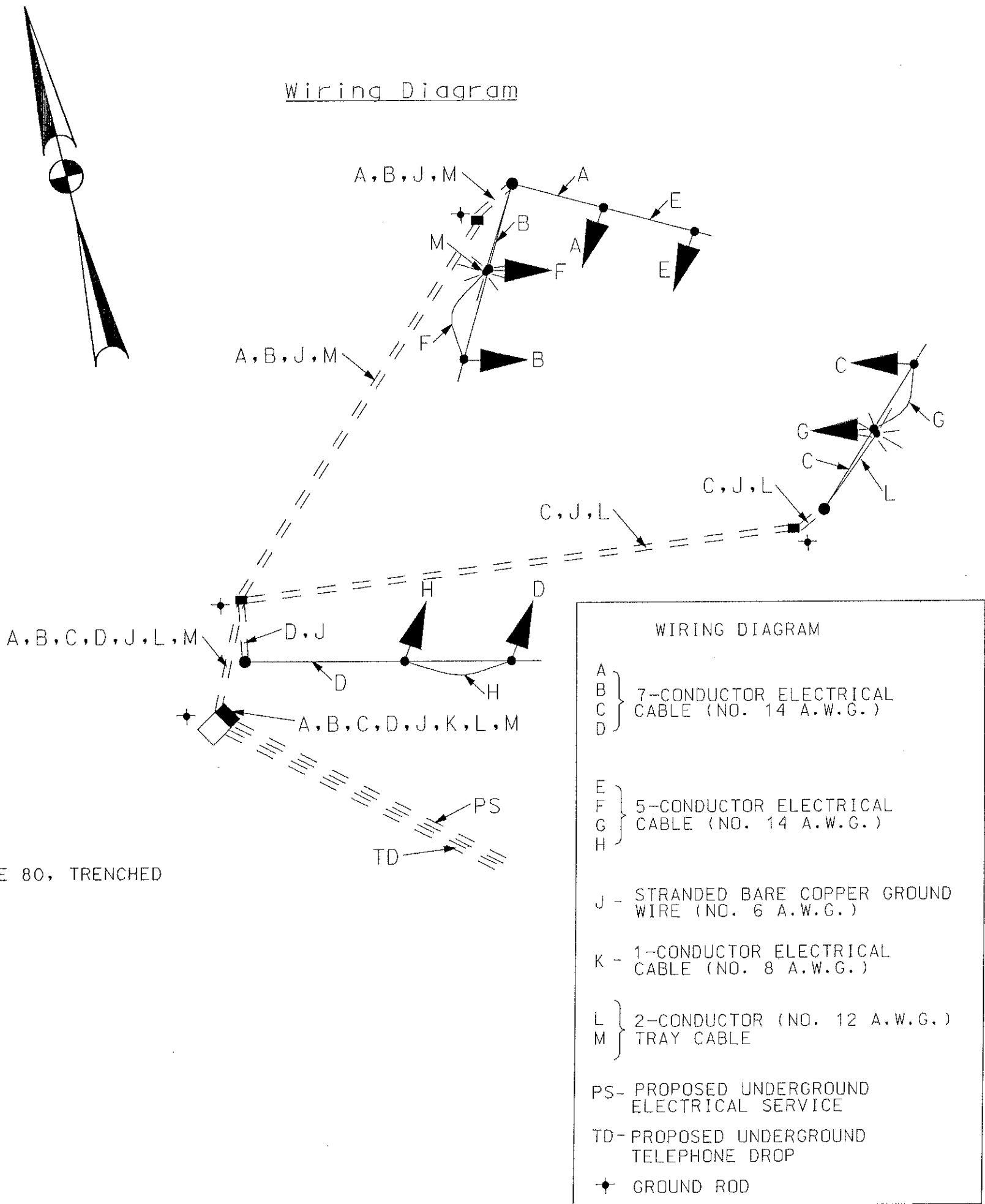
ITEM NO.	QUANTITY	DESCRIPTION
1001	3 EA	MAINTENANCE OF TRAFFIC
2002	3 CY	TEST PIT EXCAVATION
5006	225 LF	5 INCH WHITE HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING
8006	2 EA	CUT CLEAN AND CAP TRAFFIC SIGNAL STRUCTURE
8011	8 EA	FURNISH AND INSTALL 12 INCH VEH SIGNAL HEAD SECTION
8020	1 EA	FURNISH AND INSTALL CONTROL AND DISTRIBUTION EQUIPMENT FOR SIGNAL
8021	1 EA	FURNISH AND INSTALL MAST ARM POLE AND 38 FOOT MAST ARM
8022	1 EA	FURNISH AND INSTALL MAST ARM POLE AND 50 FOOT MAST ARM
8033	1 EA	FURNISH AND INSTALL TWIN MAST ARM POLE AND 50 FOOT/50 FOOT MAST ARM
8052	255 LF	4 INCH PVC SCHEDULE 80 CONDUIT - BORED
8053	90 LF	4 INCH PVC SCHEDULE 80 CONDUIT - TRENCHED
8057	10.5 CY	FURNISH AND INSTALL CONCRETE FOR SIGNAL FOUNDATION
8058	37 LF	FURNISH AND INSTALL WOOD SIGN SUPPORTS 4 INCH X 4 INCH
8060	310 LF	FURNISH AND INSTALL NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
8063	65 LF	FURNISH AND INSTALL 2 INCH SCHEDULE 80 RIGID PVC CONDUIT - BORED
8070	20 LF	FURNISH AND INSTALL ELECTRICAL CABLE 1 CONDUCTOR NO. 4 AWG - THHN/THWN
8072	3 EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8074	19 SF	INSTALL GROUND MOUNTED SIGN
8075	94 SF	INSTALL OVERHEAD SIGN
8080	4 EA	FURNISH AND INSTALL GROUND ROD - 3/4 INCH DIAMETER X 10 FOOT LENGTH
8084	100 LF	FURNISH AND INSTALL ELECTRICAL CABLE - 5 CONDUCTOR (NO 14 AWG)
8085	800 LF	FURNISH AND INSTALL ELECTRICAL CABLE - 7 CONDUCTOR (NO 14 AWG)
8086	450 LF	FURNISH AND INSTALL ELECTRICAL CABLE - 2 CONDUCTOR (NO 12 AWG) TC
8091	45 LF	FURNISH AND INSTALL 2 INCH DIAMETER POLYVINYL CHLORIDE ELECTRICAL CONDUIT, SCHEDULE 80, TRENCHED
8093	1 EA	INSTALL CONTROLLER AND CABINET - BASE MOUNT

C. EQUIPMENT TO BE REMOVED AND RETURNED TO STATE HIGHWAY ADMINISTRATION

NO EQUIPMENT IS TO BE REMOVED IN THIS PROJECT.

PHASE CHART

	1	2	3	4	5	6	7	8
	(Y)	(Y)	(Y)	(Y)	(R)	(R)	(R)	(R)
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

MD 6 @ PENNS HILL ROAD /WHEATLEY ROAD

DRAWN BY: J. GALES	F.A.P. NO. S.H.A. NO. COUNTY: CHARLES	TS NO. 4153	SHEET NO. 2 OF 2
CHECKED BY: M. RUCKER	LOG MILE: 08000632.11	T.I.M.S. NO. E809	
SCALE: 1"=20'	DATE: 2/1/02		